

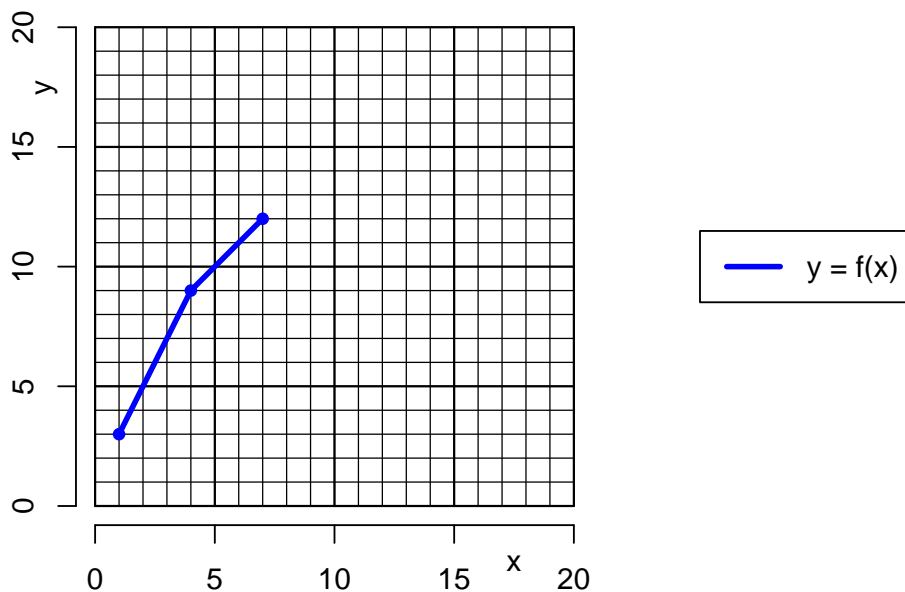
Name: \_\_\_\_\_

Date: \_\_\_\_\_

## PCW\_09\_18 Find new points after transformation (version 49)

### Question 1

Curve  $y = f(x)$  contains points  $(1, 3)$  and  $(4, 9)$  and  $(7, 12)$ , as shown on the  $x$ - $y$  plane below.

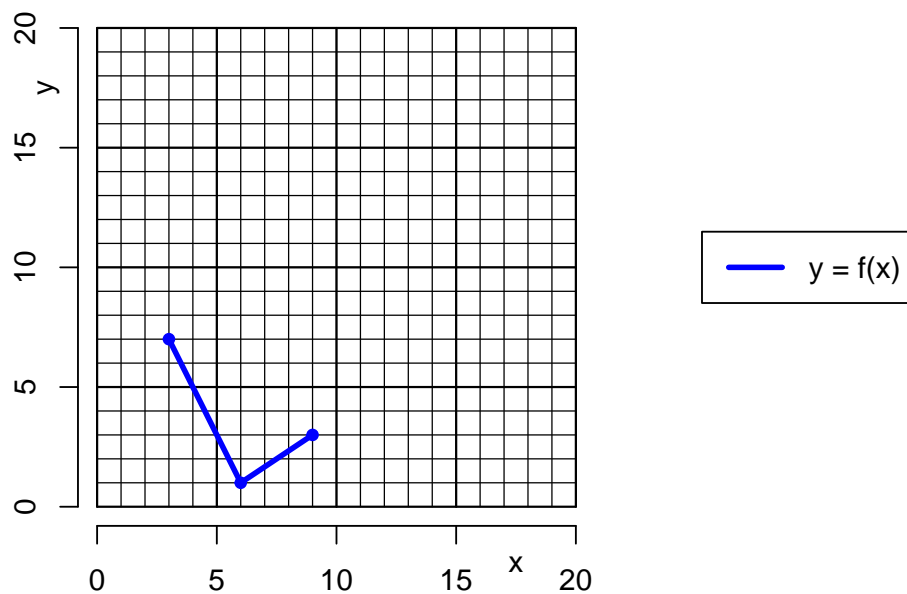


On the same plane, please draw the curve represented by the equation below:

$$y = \frac{f\left[\frac{x-4}{2}\right] + 3}{3}$$

## Question 2

Curve  $y = f(x)$  contains points  $(3, 7)$  and  $(6, 1)$  and  $(9, 3)$ , as shown on the  $x$ - $y$  plane below.



On the same plane, please draw the curve represented by the equation below:

$$y = 2 \left( f \left[ \frac{x}{3} + 3 \right] + 1 \right)$$